



PATENT  
Attorney Docket No.: INVIT1290-2

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicants: Carrino et al. Art Unit: 1637  
Application No.: 10/014,128 Examiner: J. Siew  
Filed: December 7, 2001 Confirmation No. 1163  
Title: COMPOSITIONS AND METHODS FOR RAPIDLY GENERATING  
RECOMBINANT NUCLEIC ACID MOLECULES

MAIL STOP AMENDMENT  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**INFORMATION DISCLOSURE STATEMENT**

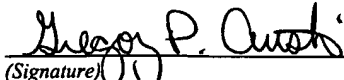
Sir:

In accordance with 37 C.F.R. § 1.97, enclosed are references relating to the above-identified application. For the convenience of the Examiner, these references are listed on the attached Form PTO-1449 and copies are enclosed herewith.

It is respectfully requested that these references be considered in the examination of this application and their consideration be made of written record in the application file.

07/01/2004 ZJU HAR1 00000139 10014128

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CERTIFICATION UNDER 37 CFR §1.8	
I hereby certify that the documents referred to as enclosed herein are being deposited with the United States Postal Service with sufficient postage as first class mail on this date, <b>June 28, 2004</b> , in an envelope addressed to: MAIL STOP AMENDMENT, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.	
Gregory P. Austin (Name of Person Mailing Paper)	
 (Signature)	June 28, 2004 (Date)

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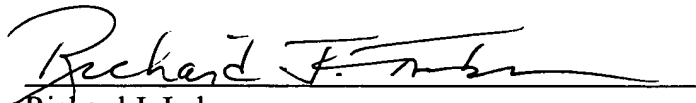
In re Application of:  
Carrino et al.  
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Enclosed is Check No. 561984 in payment of the fee set forth in 37 C.F.R. § 1.17(p).  
The Commissioner is hereby authorized to charge any other fees that may be associated with this communication, or credit any overpayment, to Deposit Account No. 50-1355.

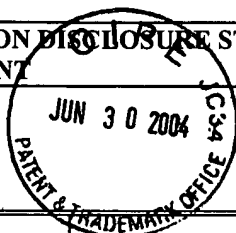
Respectfully submitted,

Date: June 28, 2004

  
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<b>FORM PTO-1449</b> U.S. Department of Commerce Patent and Trademark Office	<b>Docket No.:</b> INVIT1290-2	<b>Application No.:</b> 10/014,128
	<b>Applicants:</b> Carrino et al.	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>	<b>Filing Date:</b> December 7, 2001	<b>Group Art Unit:</b> 1637



### U.S. PATENT DOCUMENTS

EXAM. INITIALS	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
	5,162,209 A	11/10/92	Scheele	435	91	01/18/91
	5,746,997 A	05/05/98	Reed	424	1.73	10/02/96
	5,851,808 A	12/22/98	Elledge et al.	435	172.3	02/28/97
	5,981,182 A	11/09/99	Jacobs, Jr. et al.	435	6	03/13/97
	6,174,669 B1	01/16/01	Hayashizaki et al.	435	6	11/20/96
	6,653,106 B1	11/25/03	Shuman et al.	435	91.1	06/12/98

### FOREIGN PATENT DOCUMENTS

EXAM. INITIALS	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION (YES/NO)
	EP 1 018 549 A1	07/12/00	EPO	C12N	15/10	N/A
	WO 01/62943 A1	08/30/01	WO	C12N	15/64	N/A
	WO 02/16594 A2	02/28/02	WO	C12N	15/00	N/A

### OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages)

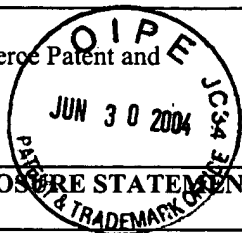
	Arnott et al., "DNA-RNA Hybrid Secondary Structures," <i>J. Mol. Biol.</i> , vol. 188, pp. 631-640 (1986)
	Chong et al., "Single-column purification of free recombinant proteins using a self-cleavable affinity tage derived from a protein splicing element", <i>Gene</i> , vol. 192, pp. 271-281 (1997)

EXAMINER	DATE CONSIDERED
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EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Form 1449

<b>FORM PTO-1449</b> U.S. Department of Commerce Patent and Trademark Office	<b>Docket No.:</b> INVIT1290-2	<b>Application No.:</b> 10/014,128
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	Matthews et al., "Analytical Strategies for the Use of DNA Probes", <i>Anal. Biochem.</i> , vol. 169, pp. 1-25 (1988)
	Sambrook et al., <i>Molecular Cloning – A Laboratory Manual</i> , 2nd Ed., Cold Springs Harbor Laboratory Press, pp. 2.53-2.54, 16.8-16.9, 16.20 and 16.22 (1989)
	Shatkin, "Capping of Eucaryotic mRNAs", <i>Cell</i> , vol. 9, pp. 645-653 (1976)
	Theus et al., "A Simple Assay for Determining the Capping Efficiencies of RNA Polymerases Used for <i>In Vitro</i> Transcription", <i>BioTechniques</i> , vol. 9, pp. 610-615 (1990)
	Yarovinsky, "Application of DNA Topoisomerase-Activated Adapters to Riboprobe Synthesis", <i>BioTechniques</i> , vol. 28, pp. 1160-1165 (2000)
	Zechiedrich et al., "Topoisomerase IV, not gyrase, decatenates products of site-specific recombination in <i>Escherichia coli</i> ", <i>Genes &amp; Development</i> , vol. 11, pp. 2580-2592 (1997)

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